CLAIMS

- 1. An inkjet ink system comprising: a) a liquid vehicle; b) a colorant; and c) a gelling agent.
- 2. The inkjet ink system of claim 1, wherein the liquid vehicle is an aqueous vehicle or a non-aqueous vehicle.
- 3. The inkjet ink system of claim 1, wherein the colorant is a pigment.
- 4. The inkjet ink system of claim 1, wherein the colorant is a dye.
- 5. The inkjet ink system of claim 4, wherein the dye is insoluble in the liquid vehicle.
- 6. The inkjet ink system of claim 3, wherein the pigment is a blue pigment, a black pigment, a brown pigment, a cyan pigment, a green pigment, a white pigment, a violet pigment, a magenta pigment, a red pigment, an orange pigment, a yellow pigment, shades thereof, or mixtures thereof.
- 7. The inkjet ink system of claim 3, wherein the pigment is carbon black.
- 8. The inkjet ink system of claim 3, wherein the pigment is a modified pigment having attached at least one organic group.
- 9. The inkjet ink system of claim 8, wherein the organic group comprises at least one ionic group, ionizable group, or mixtures thereof.
- 10. The inkjet ink system of claim 8, wherein the organic group comprises a carboxylic acid group, a sulfonic acid group, a phosphonic acid group, or salts thereof.

- 11. The inkjet ink system of claim 1, wherein the gelling agent is a hydrophobically modified polyelectrolyte.
- 12. The inkjet ink system of claim 1, wherein the gelling agent is a polymer comprising at least one hydrophobic monomer unit and at least one ionic or ionizable monomer unit.
- 13. The inkjet ink system of claim 12, wherein the gelling agent further comprises at least one hydrophilic monomer unit.
- 14. The inkjet ink system of claim 12, wherein the gelling agent is a block copolymer or a graft copolymer.
- 15. The inkjet ink system of claim 12, wherein the hydrophobic monomer unit is an alkyl ester of acrylic acid or an alkyl ester of methacrylic acid.
- 16. The inkjet ink system of claim 12, wherein the ionic or ionizable monomer unit comprises a carboxylic acid group or salt thereof.
- 17. The inkjet ink system of claim 13, wherein the hydrophilic monomer unit comprises an alkylene oxide group.
- 18. The inkjet ink system of claim 1, wherein the gelling agent is a hydrophobically modified terpolymer comprising methacrylic acid monomer units, ethyl acrylate monomer units, and a hydrophobically-modified macromer units comprising α -methylstyrene monomer units and a poly(ethylene oxide) group.
- 19. The inkjet ink system of claim 1, wherein the gelling agent has a weight average molecular weight of between 1,000 and 3,000,000.
- 20. The inkjet ink system of claim 19, wherein the gelling agent has a weight average molecular weight of between 300,000 and 1,500,000.

- 21. The inkjet ink system of claim 1, wherein the gelling agent is incorporated into the liquid vehicle to form an inkjet ink composition.
- 22. The inkjet ink system of claim 21, wherein the gelling agent is present in an amount between 0.1% and 60.0% by weight based on the total weight of the inkjet ink composition.
- 23. The inkjet ink system of claim 22, wherein the gelling agent is present in an amount between 1.0% and 50.0% by weight based on the total weight of the inkjet ink composition.
- 24. The inkjet ink system of claim 23, wherein the gelling agent is present in an amount between 5.0% and 40.0% by weight based on the total weight of the inkjet ink composition.
- 25. The inkjet ink system of claim 1, wherein the gelling agent is incorporated into a second jettable composition.
- 26. The inkjet ink system of claim 1, wherein the gelling agent is incorporated onto a substrate.
- 27. The inkjet ink system of claim 1, wherein the gelling agent is attached to the colorant.
- 28. A method of generating a printed image comprising the steps of:
 - i) incorporating into a printing apparatus an inkjet ink composition comprising: a) a liquid vehicle, b) a colorant, and c) a gelling agent;
 - ii) jetting the inkjet ink composition; and
 - iii) generating an image onto a substrate, wherein the substrate optionally comprises a gelling agent.

- 29. The method of claim 28, further comprising the step of jetting a gelling composition, wherein the gelling composition has a pH effective to cause the gelling of the image.
- 30. The method of claim 29, wherein the step of jetting a gelling composition occurs before step ii).
- 31. The method of claim 29, wherein the step of jetting a gelling composition occurs after step ii).
- 32. The method of claim 28, further comprising the step of jetting a gelling composition, wherein the gelling composition comprises a liquid vehicle effective to cause the gelling of the image.
- 33. The method of claim 32, wherein the step of jetting a gelling composition occurs before step ii).
- 34. The method of claim 32, wherein the step of jetting a gelling composition occurs after step ii).
- 35. The method of claim 28, further comprising the step of increasing the temperature to a level effective to cause the gelling of the image.
- 36. The method of claim 28, further comprising the step of increasing the temperature to a level effective to evaporate a portion of the liquid vehicle to cause the gelling of the image.
- 37. The method of claim 28, further comprising the step of jetting a gelling agent composition, wherein the gelling agent composition comprises at least one gelling agent.

- 38. A method of generating a printed image comprising the steps of:
 - i) incorporating into a printing apparatus an inkjet ink composition comprising: a) a liquid vehicle and b) a colorant,
 - ii) incorporating into a printing apparatus a gelling agent composition comprising: a) a liquid vehicle and b) a gelling agent,
 - iii) jetting, in any order, the inkjet ink composition and the gelling agent composition, and
 - iv) generating an image onto a substrate.
- 39. The method of claim 38, further comprising the step of jetting a second gelling agent composition comprising: a) a liquid vehicle and b) a gelling agent, wherein the step of jetting a second gelling agent composition occurs before the jetting of the inkjet ink composition.
- 40. A method of generating a printed image comprising the steps of:
 - i) incorporating into a printing apparatus an inkjet ink composition comprising: a) a liquid vehicle and b) a colorant,
 - ii) jetting the inkjet ink composition, and
 - iii) generating an image onto a substrate, wherein the substrate comprises a gelling agent.
- 41. The method of claim 40, wherein the substrate comprises a coating of the gelling agent.